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**BASIC IMAGERY  
INTERPRETATION  
REPORT**

**DEPLOYMENT AT SS-9 ICBM COMPLEXES  
ALEYSK  
DOMBAROVSKIY  
IMENI GASTELLO  
KARTALY  
UZHUR  
ZHANGIZ-TOBE**

**DEPLOYED STRATEGIC SSM FACILITIES  
USSR  
MAY 1970**

Declass Review by NIMA/DOD

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INSTALLATION OR ACTIVITY NAME

Deployment at SS-9 ICBM Complexes

COUNTRY

UR

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UTM COORDINATES

NA

GEOGRAPHIC COORDINATES

See below

BE NUMBER

See below

COMIREX NO.

See below

NIETB NO.

See below

MAP REFERENCE

Various

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NEGATION DATE (if required)

Various

<u>Complex</u>	<u>Coordinates</u>
Aleysk	52-29N 082-42E
Dombarovskiy	50-58N 059-44E
Imeni Gastello	51-03N 066-14E
Kartaly	52-59N 060-31E
Uzhur	55-15N 089-30E
Zhangiz-Tobe	49-13N 081-09E

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### ABSTRACT

The Soviet SS-9 missile system is deployed exclusively at six complexes in central USSR: Aleysk, Dombarovskiy, Imeni Gastello, Kartaly, Uzhur, and Zhangiz-Tobe. Data relating to estimated construction starts, construction timing, site completion dates, and site coordinates is recorded in this publication. Location maps showing launch site deployment at each of the six complexes are also included.

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The information is current

### INTRODUCTION

The SS-9 missile is deployed in groups of six at six complexes in central USSR (Figure 1). The rate of deployment since its onset in early 1964 is shown in Figure 2.

The magnitude of deployment at these six complexes as of 1 March 1970 is as follows:

<u>Complex</u>	<u>Identified Groups</u>	<u>Identified Sites</u>
Aleysk	5	30
Dombarovskiy	10	60
Imeni Gastello	8	48
Kartaly	6	36
Uzhur	9	54
Zhangiz-Tobe	8	47
	46	275

In addition there is one site at the rail-to-road transfer point <sup>1</sup> of each of the six complexes, which is primarily for training but may have an operational capability.

In addition to its launch sites, each complex has the following components: a headquarters command and control facility, an alternate command and control facility,<sup>2</sup> a rail-to-road transfer point, and complex support facilities.

Eight new groups -- two at each of three complexes, Dombarovskiy, Imeni Gastello, and Zhangiz-Tobe, and one each at Aleysk and Uzhur -- have been identified during 1969. No new groups have been identified at the Kartaly complex.

An alternate command and control facility has been identified at each of the six complexes. This facility is complete at the Uzhur complex, while at the other five complexes it is under construction.

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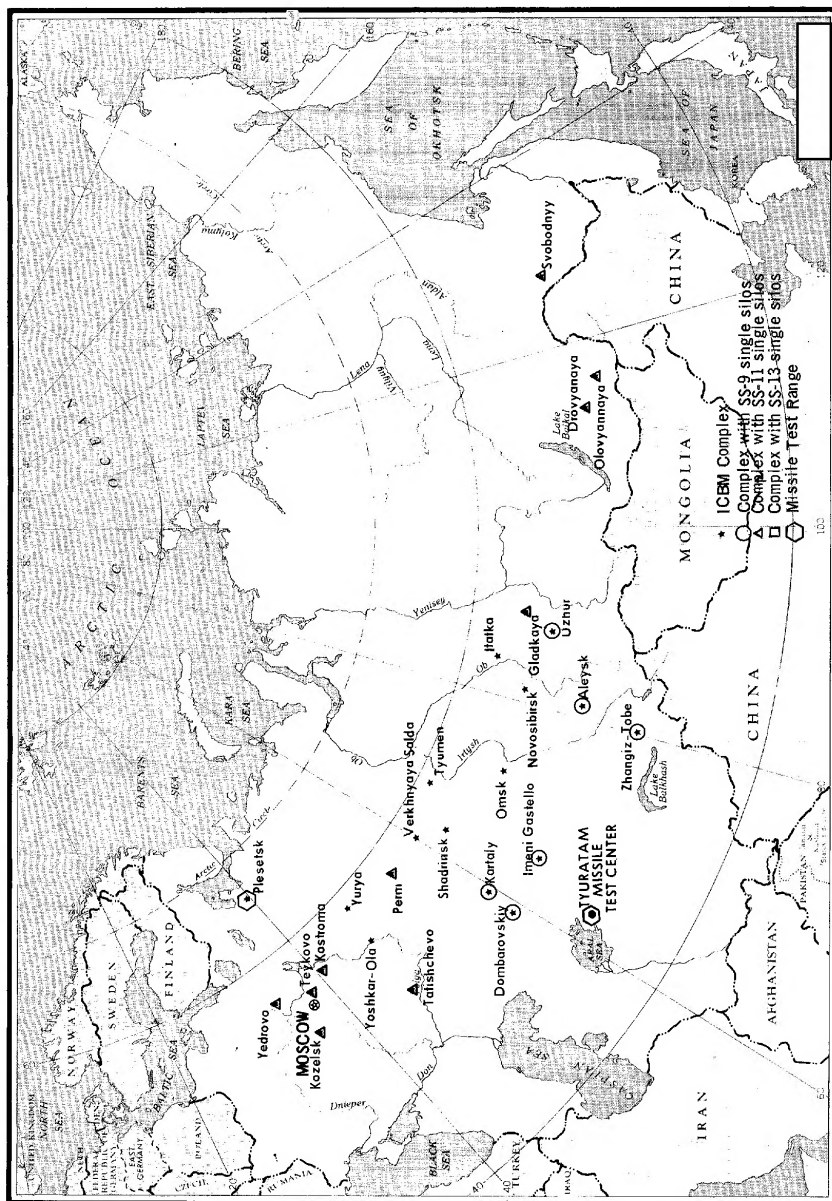


FIGURE 1. DEPLOYMENT OF SOVIET ICBM COMPLEXES. SS-9 complexes shown in red.

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**BASIC DESCRIPTION**

A summary of significant findings at each type IIIC (SS-9) complex follows:

**Aleysk ICBM Complex**

The Aleysk ICBM Complex<sup>3</sup> (Figure 3 and Table 1) is approximately 150 nautical miles (nm) south of Novosibirsk. The complex has a total of 30 launch sites in five launch groups, designated A through E. Deployment was first identified at the complex in [redacted] when launch site 1 in Launch Group A was observed in an early stage of construction. The latest of the five groups, the E group, was identified [redacted]. The other four groups -- A through D -- are complete, with the D group being completed in [redacted].

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The L-shaped electronics device at the training site (14X) was observed complete in [redacted]. This is the only SS-9 training site with an L-shaped electronics device and, as yet, its function is unknown.

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The alternate command and control facility is adjacent to launch site 22D and is in the midstage of construction.

**Dombarovski ICBM Complex**

The Dombarovski ICBM Complex (Figure 4 and Table 2), in the southern Urals region, approximately 45 nm east-southeast of the city of Orsk, is the largest of the SS-9 complexes, with a total of 60 launch sites in ten launch groups (A through J). Since the latest report<sup>4</sup> two launch groups have been identified -- the I group in May and the H group [redacted].

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Seven of the launch groups, A through G, are complete, with the G group being completed [redacted]. The H group when last observed [redacted] was in the midstage of construction.

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The alternate command and control facility is adjacent to launch site 44G and is in the midstage of construction.

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Table 1. Data on Facilities at the Aleysk ICBM Complex

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Facility	Completion or Constr Status	Geographic Coords Lat Long	200 Chart
Aleysk ICBM Complex		52-29-20N 082-42-08E	25HL
Hq com & control & rec fac		52-29-30N 082-44-59E	25HL
Alternate com & control fac (at L/S 22D) (28 nm ESE of HCC)	Mid	52-23-32N 083-29-15E	25HL
Transmit- ting fac (28 nm WNW of HCC)	--	52-39-55N 082-00-45E	25HL
Complex support facilities	NA	52-28-59N 082-43-52E	25HL
Rail-to- road trans- fer point	NA	52-28-20N 082-41-34E	25HL

Launch Group & Site	Type	Azi- muth	Geographic Coords Lat Long	200 Chart	Approx Elevation (meters) (feet)
Group A					
1A	IIC	310	52-27-34N 082-35-51E	25HL	201 660
2A	IIC	310	52-30-02N 082-40-27E	25HL	201 660
3A*	IIC		52-33-33N 082-42-15E	25HL	201 660
5A	IIC	310	52-35-37N 082-30-04E	25HL	201 660
6A	IIC	310	52-36-40N 082-35-19E	25HL	201 660
12A	IIC	310	52-33-07N 082-34-52E	25HL	201 660
Group B					
7B	IIC	310	52-24-02N 082-46-38E	25HL	201 660
8B*	IIC		52-18-12N 082-49-42E	25HL	252 825
9B	IIC	310	52-15-18N 082-38-37E	25HL	252 825
10B	IIC	310	52-10-18N 082-35-47E	25HL	252 825
11B	IIC	310	52-12-06N 082-43-36E	25HL	252 825
13B	IIC	310	52-20-00N 082-41-11E	25HL	201 660
Group C					
15C	IIC		52-22-21N 082-55-57E	25HL	252 825
16C	IIC		52-29-19N 082-57-24E	25HL	205 673
17C	IIC		52-31-33N 083-05-56E	25HL	201 660
18C*	IIC		52-24-05N 083-05-22E	25HL	213 700
19C	IIC		52-28-28N 083-11-58E	25HL	207 680
20C	IIC		52-35-01N 083-13-42E	25HL	201 660
Group D					
21D	IIC		52-29-41N 083-36-18E	25HL	295 640
22D*	IIC		52-23-27N 083-29-15E	25HL	201 660
23D	IIC		52-25-00N 083-39-55E	25HL	151 495
24D	IIC		52-18-17N 083-24-42E	25HL	201 660
25D	IIC		52-19-13N 083-38-40E	25HL	201 660
26D	IIC		52-15-32N 083-31-57E	25HL	152 500
Group E					
27E	IIC		52-47-13N 083-35-20E	25HL	201 660
28E	IIC		52-43-30N 083-29-24E	25HL	201 660
29E*	IIC		52-38-16N 083-28-27E	25HL	201 660
30E	IIC		52-39-48N 083-37-38E	25HL	201 660
31E	IIC		52-33-44N 083-24-55E	25HL	201 660
32E	IIC		52-34-25N 083-36-54E	25HL	201 660
14X (train- ing site)			52-28-18N 082-40-47E	25HL	201 660

\*Control site.

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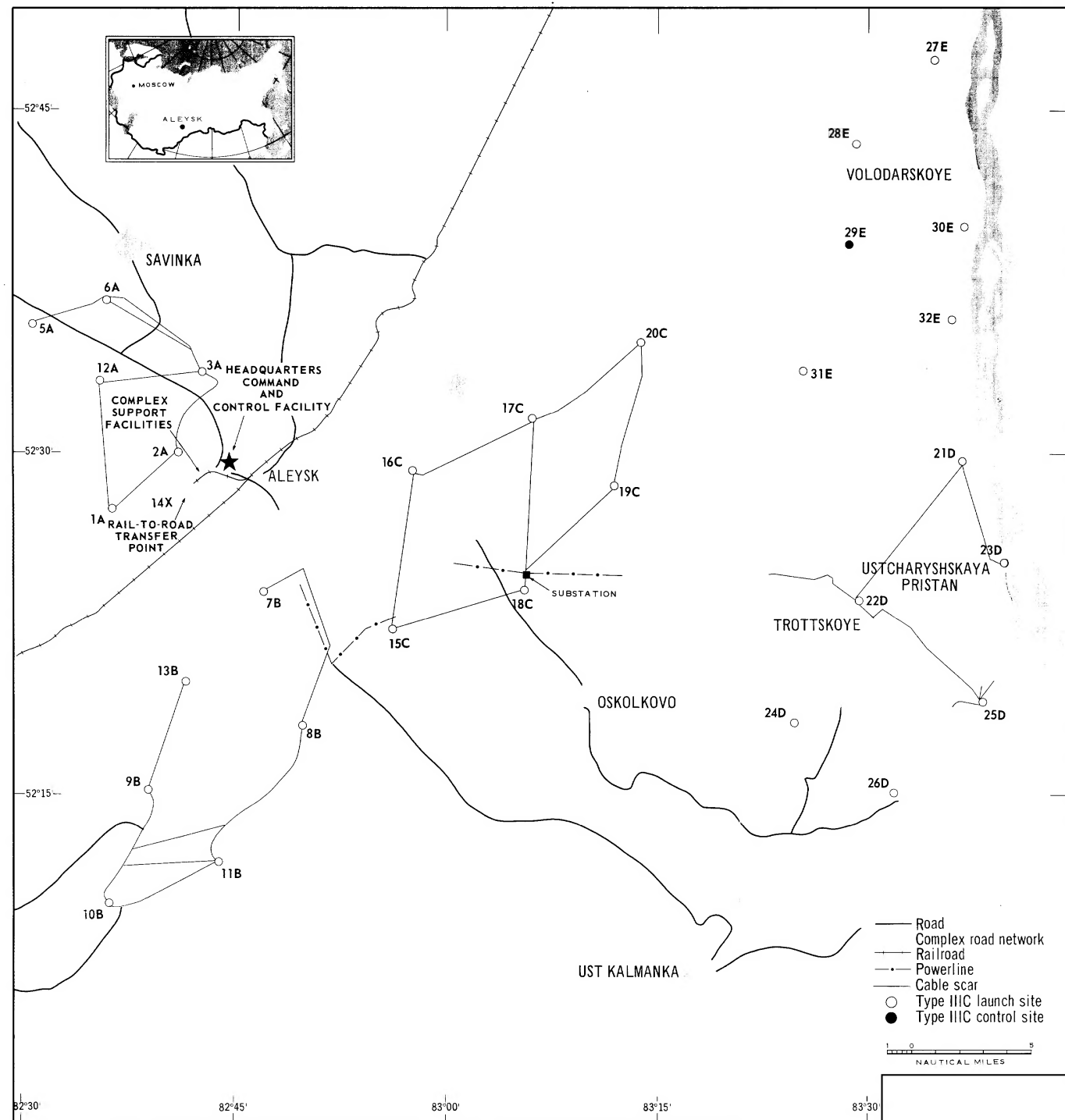


FIGURE 3. ALEYSK ICBM COMPLEX, USSR

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Table E. Data on Facilities at the Donbasovskiy ICBM Complex

Facility	Geographic Coordinates Lat. Long.	300 Chart
Donbasovskiy ICBM Complex HQ command & control & receiving facilities Afternoon command & control facility (in L/R 44G) (20 mi N of HCC) (21 mi SW of HCC) Transmitting site Complex support facilities Railroad road Transfer point	50-58-18N 000-44-40E 51-01-43N 000-52-12E 51-31-26N 000-55-15E 50-46-21N 000-50-50E 51-01-22N 000-40-18E 51-01-31N 000-48-00E	5410HL 10HL 5HL 10HL 10HL

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Launch Group & Site	Type	Anti-missile	Geographic Coordinates Lat. Long.	300 Chart	Approx. Elevation (meters) (feet)	Launch Group & Site	Type	Anti-missile	Geographic Coordinates Lat. Long.	300 Chart	Approx. Elevation (meters) (feet)
Group A						Group F					
1A	ICBM		50-58-18N 000-44-40E	10HL	299 980	30F	ICBM		51-16-28N 000-00-28E	5HL	305 1,000
2A	ICBM		51-02-47N 000-41-13E	10HL	299 980	30F	ICBM		51-17-17N 000-40-03E	5HL	299 980
3A*	ICBM		51-00-54N 000-37-46E	10HL	299 980	37F*	ICBM		51-19-48N 000-52-48E	5HL	299 980
4A	ICBM		51-1-28N 000-37-53E	10HL	299 980	38F	ICBM		51-22-48N 000-35-30E	5HL	304 1,000
5A	ICBM		51-04-09N 000-24-40E	10HL	299 980	38F	ICBM		51-22-18N 000-43-08E	5HL	304 1,000
6A	ICBM		51-09-17N 000-31-02E	10HL	299 980	40F	ICBM		51-25-55N 000-40-43E	5HL	299 980
Group B						Group G					
8B	ICBM		51-02-07N 000-47-12E	10HL	305 1,000	42G	ICBM		51-28-20N 000-06-27E	5HL	305 1,000
9B*	ICBM		51-00-34N 000-50-26E	10HL	305 1,000	43G	ICBM		51-26-07N 000-55-25E	5HL	305 1,000
10B	ICBM		51-09-26N 000-44-38E	10HL	299 980	44G*	ICBM		51-31-21N 000-28-00E	5HL	305 1,000
11B	ICBM		51-12-54N 000-50-43E	10HL	299 980	45G	ICBM		51-30-14N 000-10-32E	5HL	305 1,000
12B	ICBM		51-10-54N 000-57-52E	10HL	299 980	46G	ICBM		51-30-22N 000-40-44E	5HL	299 980
13B	ICBM		51-05-44N 000-04-37E	10HL	299 980	47G	ICBM		51-31-44N 000-47-47E	5HL	305 1,000
Group C						Group H					
14C	ICBM		50-40-54N 000-38-39E	10HL	274 900	49HL	ICBM	Under	51-03-17N 000-20-04E	10HL	305 1,000
15C*	ICBM		50-45-10N 000-36-50E	10HL	299 980	49HL*	ICBM	Under	50-57-58N 000-32-20E	10HL	305 1,000
16C	ICBM		50-52-07N 000-43-43E	10HL	299 980	50HL	ICBM	Under	50-52-22N 000-31-38E	10HL	305 1,000
17C	ICBM		50-46-38N 000-46-14E	10HL	299 980	51HL	ICBM	Under	50-53-14N 000-45-11E	10HL	305 1,000
18C	ICBM		50-40-80N 000-48-43E	10HL	299 980	52HL	ICBM	Under	50-54-42N 000-36-40E	10HL	305 1,000
19C	ICBM		50-39-50N 000-50-05E	10HL	299 980	53HL	ICBM	Under	51-04-12N 000-36-42E	10HL	305 1,000
Group D						Group I					
21D*	ICBM		50-51-45N 000-59-58E	10HL	307 1,300	54HL	ICBM	Under	51-16-04N 000-17-51E	5HL	299 980
22D	ICBM		50-48-18N 000-54-40E	10HL	300 1,150	55HL	ICBM	Under	51-14-54N 000-05-49E	5HL	299 980
23D	ICBM		50-44-47N 000-52-41E	10HL	300 1,150	57HL	ICBM	Under	51-20-31N 000-05-50E	5HL	299 980
24D	ICBM		50-41-30N 000-51-38E	10HL	300 1,150	58HL	ICBM	Under	51-13-29N 000-25-20E	5HL	299 980
25D	ICBM		50-46-41N 000-13-30E	10HL	307 1,300	59HL	ICBM	Under	51-26-21N 000-25-34E	5HL	299 980
26D	ICBM		50-52-40N 000-10-12E	10HL	305 1,150	60HL	ICBM	Under	51-30-37N 000-26-09E	5HL	299 980
Group E						Group J					
28E	ICBM	285	51-10-38N 000-18-57E	10HL	305 1,000	61HL	ICBM	Under	51-16-47N 000-01-25E	5HL	307 1,300
29E	ICBM	285	51-11-09N 000-22-53E	10HL	305 1,000	62HL	ICBM	Under	51-18-20N 000-43-47E	5HL	307 1,300
30E	ICBM	285	51-08-42N 000-21-07E	10HL	305 1,000	63HL	ICBM	Under	51-14-12N 000-00-23E	5HL	307 1,300
31E*	ICBM	285	51-08-38N 000-19-31E	10HL	299 980	64HL	ICBM	Under	51-09-18N 000-32-54E	5HL	307 1,300
32E	ICBM	285	50-58-35N 000-23-09E	10HL	305 1,000	65HL	ICBM	Under	51-12-17N 000-42-25E	5HL	307 1,300
34E	ICBM	285	50-54-28N 000-14-10E	10HL	305 1,000	66HL	ICBM	Under	51-08-47N 000-40-03E	5HL	307 1,300
						Transfer site 30X	ICBM		51-01-09N 000-48-48E	10HL	304 1,000

\* Oriented side

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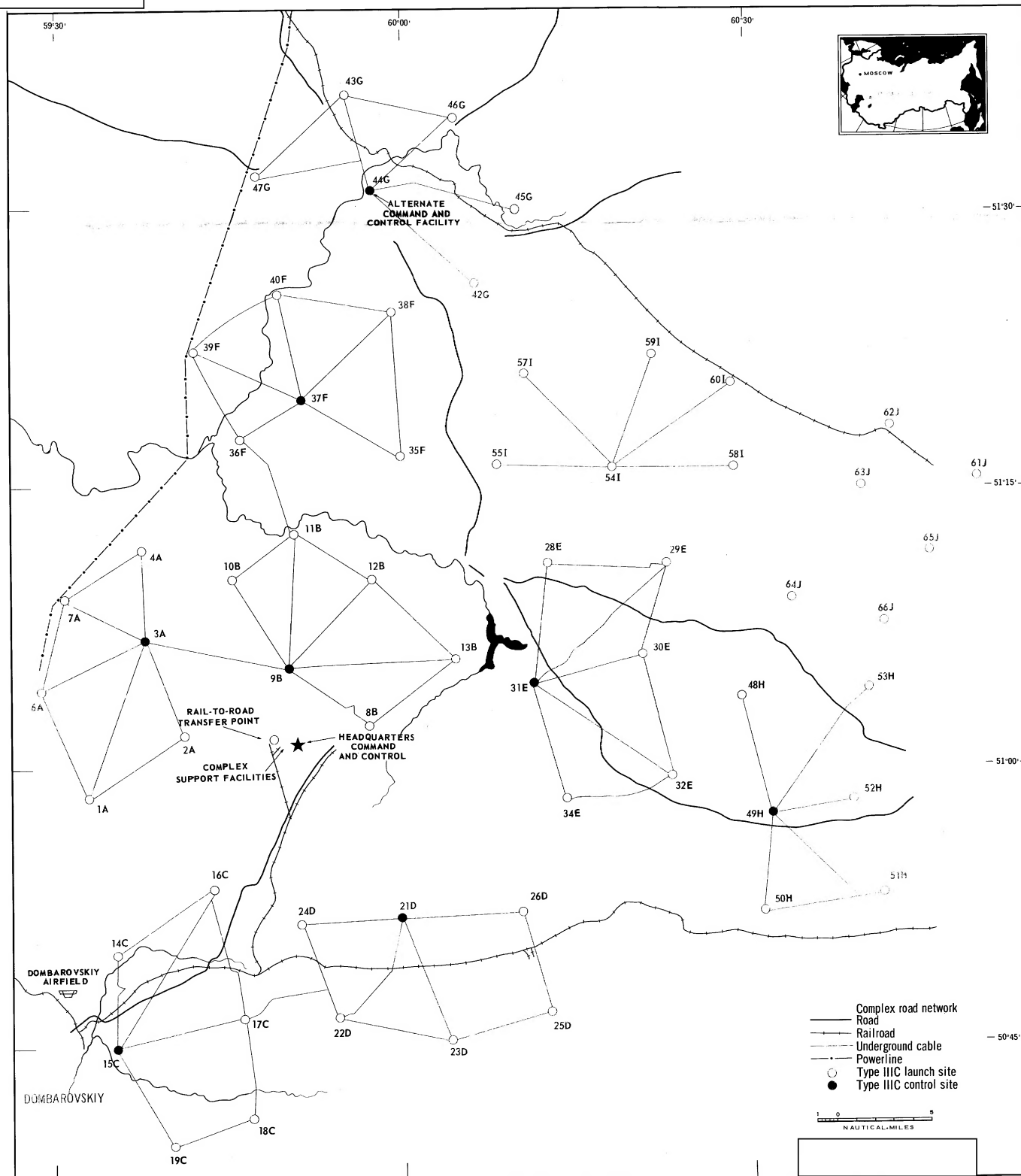


FIGURE 4. DOMBAROVSKIY ICBM COMPLEX, USSR

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Table 3. Data on Facilities at the Imeni Gastello ICBM Complex

Facility	Geographic Coords Lat Long	200 Chart
Imeni Gastello ICBM Complex	51-03-30N 066-14-00E	8HL
Hq com control & receiving fac	51-07-26N 066-20-19E	8HL
Alternate com & control fac (at Launch Site 34F) (36 nm NW of HCC)	51-31-12N 065-39-57E	3HL
Transmitting facility (46 nm N of HCC)	51-51-40N 066-13-53E	3HL
Complex support facilities	51-06-49N 066-17-56E	8HL
Rail-to-road transfer point	51-06-28N 066-16-44N	8HL

Launch Group & Site	Type	Azi- muth	Geographic Coords Lat Long	200 Chart	Approx Elevation (meters) (feet)
Group A					
1A	IHC		51-03-22N 066-05-07E	8HL	274 900
2A	IHC		51-06-34N 066-01-01E	8HL	305 1,000
3A	IHC		51-10-19N 066-04-50E	8HL	305 1,000
4A*	IHC		51-07-39N 066-11-38E	8HL	274 900
5A	IHC		51-13-53N 066-11-38E	8HL	274 900
6A	IHC		51-14-11N 066-05-00E	8HL	305 1,000
Group B					
7B*	IHC		50-57-35N 066-08-14E	8HL	305 1,000
8B	IHC		50-57-47N 065-59-07E	8HL	305 1,000
9B	IHC		50-58-15N 066-16-19E	8HL	274 900
10B	IHC		50-53-05N 066-17-22E	8HL	305 1,000
11B	IHC		50-52-30N 065-59-30E	8HL	305 1,000
12B	IHC		50-52-14N 066-08-53E	8HL	274 900
Group C					
13C	IHC		50-58-18N 065-49-32E	8HL	305 1,000
14C	IHC		50-54-48N 065-41-18E	8HL	244 800
15C	IHC		50-54-31N 065-33-09E	8HL	244 800
16C	IHC		51-02-44N 065-50-26E	8HL	259 850
17C*	IHC		51-02-02N 065-41-16E	8HL	183 800
18C	IHC		51-00-38N 065-31-33E	8HL	244 800
Group D					
19D	IHC		51-19-26N 066-16-20E	3HL	274 900
20D	IHC		51-24-38N 066-15-47E	3HL	274 900
22D*	IHC		51-25-49N 066-07-10E	3HL	274 900
23D	IHC		51-19-36N 066-08-28E	3HL	274 900
24D	IHC		51-27-03N 065-57-58E	3HL	274 900
25D	IHC		51-20-39N 065-57-56E	3HL	274 900
Group E					
26E	IHC	305	51-08-37N 065-53-03E	3HL	305 1,000
27E	IHC	305	51-13-54N 065-54-30E	3HL	305 1,000
28E	IHC	305	51-18-35N 065-49-34E	3HL	305 1,000
29E*	IHC	305	51-07-28N 065-43-38E	3HL	305 1,000
30E	IHC	305	51-11-34N 065-45-46E	3HL	305 1,000
31E	IHC	305	51-16-20N 065-43-25E	3HL	274 900
Group F					
32F	IHC	Undet	51-24-09N 065-49-47E	3HL	305 1,000
33F	IHC	Undet	51-29-30N 065-48-26E	3HL	274 900
34F*	IHC	Undet	51-31-19N 065-39-46E	3HL	274 900
35F	IHC	Undet	51-26-29N 065-31-22E	3HL	305 1,000
36F	IHC	Undet	51-21-28N 065-33-30E	3HL	305 1,000
37F	IHC	Undet	51-26-33N 065-41-06E	3HL	305 1,000
Group G					
38G	IHC	Undet	51-32-33N 066-18-47E	3HL	274 900
39G*	IHC	Undet	51-36-49N 066-19-57E	3HL	243 800
40G	IHC	Undet	51-30-05N 066-19-07E	3HL	274 900
41G	IHC	Undet	51-32-51N 066-06-11E	3HL	274 900
42G	IHC	Undet	51-35-35N 066-11-31E	3HL	274 900
43G	IHC	Undet	51-40-40N 066-18-08E	3HL	243 800
Group H					
44H	IHC	Undet	51-41-19N 066-06-28E	3HL	274 900
45H	IHC	Undet	51-37-38N 066-01-34E	3HL	274 900
46H	IHC	Undet	51-33-37N 065-58-10E	3HL	274 900
47H	IHC	Undet	51-35-37N 065-46-56E	3HL	274 900
48H	IHC	Undet	51-38-36N 065-53-36E	3HL	274 900
49H	IHC	Undet	51-42-08N 065-58-27E	3HL	274 900
Training Site 21X	IHC		51-06-17N 066-16-01E	8HL	244 800

\* Control site

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Table 4. Data on Facilities at the Kartaly ICBM Complex

Facility	Completion or Constr Status	Geographic Coords Lat Long	200 Chart
Kartaly ICBM Complex	--	52-59-29N 060-31-40E	17HL
Hq command & control facility & receiving fac	--	53-02-24N 060-36-23E	17HL
Alternate com & control fac (at Launch Site 32E) (22 nm SW of HCC)	Mid	52-42-39N 060-24-32E	22HL
Transmitting fac (30 nm NE of HCC)	--	53-24-32N 060-57-25E	17HL
Complex support facilities	--	53-02-23N 060-36-25E	17HL
Rail-to-road transfer point	--	53-01-10N 060-34-20E	17HL

Launch Group & Site	Type	Azi-muth	Geographic Coords Lat Long	200 Chart	Approx Elevation (meters) (feet)
Group A					
1A*	IIC	285	53-01-34N 060-25-38E	17HL	366 1,200
2A	IIC	285	52-56-29N 060-31-31E	17HL	335 1,100
3A	IIC	285	52-55-51N 060-23-58E	17HL	366 1,200
4A	IIC	285	52-51-27N 060-27-02E	17HL	305 1,000
5A	IIC	285	53-00-05N 060-15-26E	17HL	366 1,200
6A	IIC	285	53-04-21N 060-18-35E	17HL	366 1,200
Group B					
7B	IIC		53-09-19N 060-41-28E	18HL	305 1,000
8B*	IIC		53-08-10N 060-32-33E	17HL	305 1,000
10B	IIC		53-09-11N 060-23-53E	17HL	366 1,200
11B	IIC		53-12-37N 060-32-29E	17HL	366 1,200
12B	IIC		53-14-08N 060-39-13E	17HL	305 1,000
13B	IIC		53-15-40N 060-23-25E	17HL	366 1,200
Group C					
14C*	IIC	285	53-00-35N 060-46-37E	18HL	274 900
15C	IIC	285	52-57-37N 060-39-04E	18HL	305 1,000
18C	IIC	285	52-51-09N 060-35-29E	18HL	305 1,000
19C	IIC	285	52-53-39N 060-46-23E	18HL	305 1,000
20C	IIC	285	52-57-67N 060-55-20E	18HL	274 900
21C	IIC	285	52-51-37N 060-55-00E	18HL	274 900
Group D					
24D	IIC	290	52-43-53N 060-34-00E	22HL	305 1,000
25D	IIC	290	52-41-32N 060-41-42E	23A	305 1,000
26D	IIC	290	52-36-15N 060-45-59E	23A	305 1,000
28D	IIC	290	52-46-36N 060-42-17E	23A	305 1,000
29D*	IIC	290	52-36-29N 060-36-23E	23A	305 1,000
30D	IIC	290	52-31-20N 060-40-27E	23A	305 1,000
Group E					
31E	IIC	290	52-47-24N 060-20-30E	17HL	366 1,200
32E*	IIC	290	52-42-35N 060-24-22E	22HL	305 1,000
34E	IIC	290	52-46-57N 060-13-01E	22HL	366 1,200
36E	IIC	290	52-42-17N 060-15-55E	22HL	366 1,200
37E	IIC	290	52-35-58N 060-22-50E	22HL	366 1,200
38E	IIC	290	52-35-55N 060-13-59E	22HL	366 1,200
Group F					
39F	IIC	290	53-04-34N 060-46-18E	18HL	274 900
40F	IIC	290	53-10-51N 060-50-07E	18HL	274 900
41F*	IIC	290	53-03-39N 060-57-30E	18HL	0274 900
42F	IIC	290	53-03-00N 061-07-00E	18HL	0243 800
46F	IIC	290	53-07-23N 061-14-00E	18HL	0243 800
47F	IIC	290	53-08-31N 061-03-31E	18HL	0243 800
Training site 27X	IIC		53-00-55N 060-33-26E	17HL	335 1,100
Dummy site A	NA		52-52N 060-19E	17HL	305 1,000
Dummy site B	NA		52-52N 060-09E	17HL	366 1,200

\*Control site.

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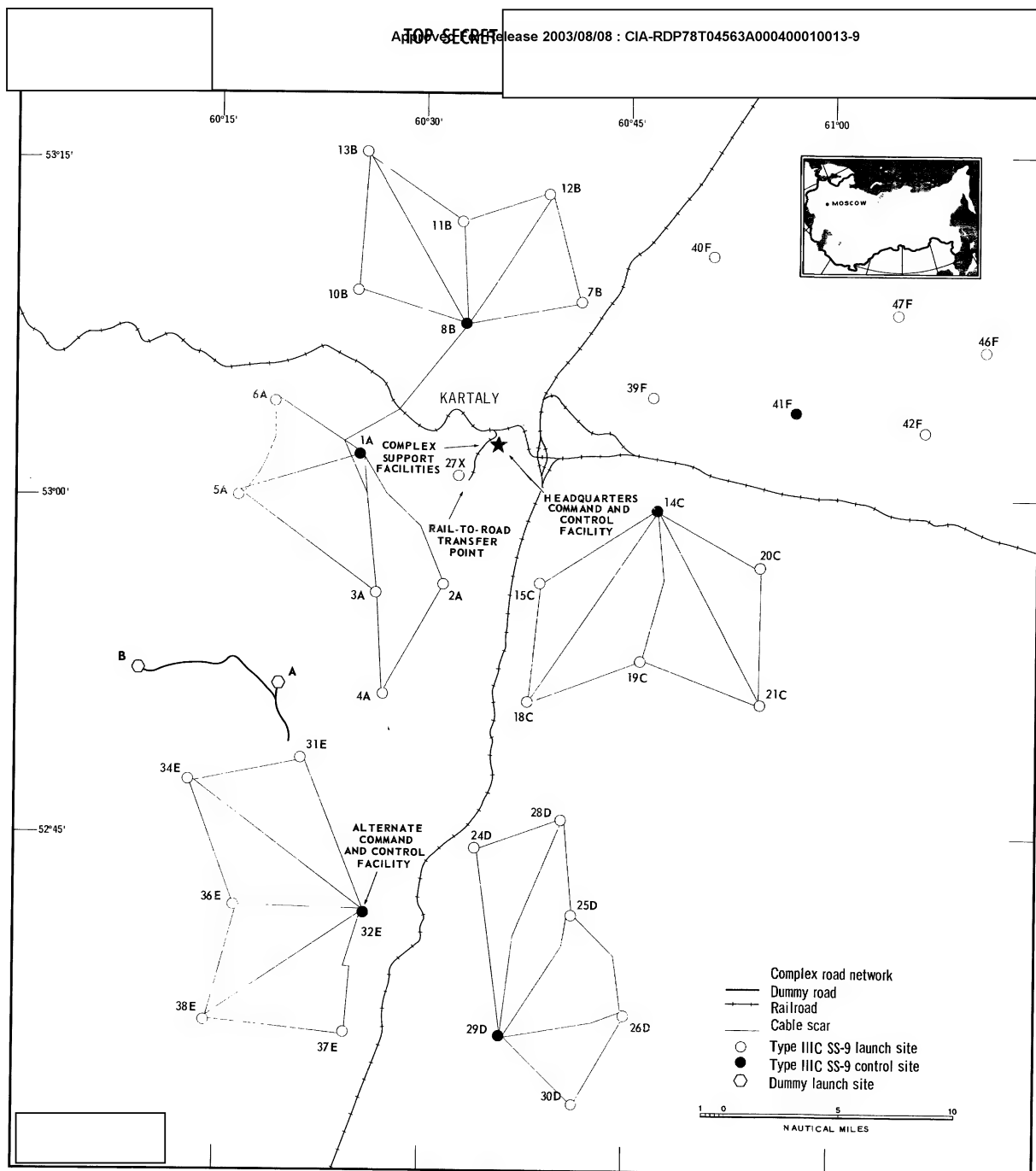


FIGURE 6. KARTALY ICBM COMPLEX, USSR

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Table B. Data on Facilities of the Ussur ICBM Complex

Facility	Geographic Coords Lat Long	200 Chart
Ussur ICBM Complex HQ room & control & receiving for Alertance code & control for the Launch Site 34F 18 mi SSE of HCC Transmitting Facility 56 mi NNE of HCC Complex support barriers Base for road transfer points	55 15-35N 089-30-30E  55-17 14N 089-40-13E  51-12 18N 090-14-09E 56-08-52N 090-25-20E 55-17 12N 089-40-30E 55-16-00N 089-44-31E	4HL  4HL 4HL 4HL 4HL

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Launch Group & Site	Type	Alt- itude	Geographic Coords Lat Long	200 Chart	Approx Elevation (meters) (feet)	Launch Group & Site	Type	Geographic Coords Lat Long	200 Chart	Approx Elevation (meters) (feet)
Group A						Group F				
1A	III		55 19 47N 089 43-52E	4HL	386 1300	33F	III	55-08-30N 090-16-03E	4HL	610 2000
2A	III		55 17-13N 089-33-37E	4HL	500 1640	33V	III	55 08 31N 090 06 54E	4HL	389 1310
3A	III		55 19-11N 089-33-47E	4HL	500 1640	34F*	III	55 13 28N 090 18-01E	4HL	389 1310
4A	III		55 16-52N 089-26 44E	4HL	581 1900	35V	III	55-11 47N 090-28-30E	4HL	437 1400
5A	III		55-18-02N 089 33 35E	4HL	531 1730	36V	III	55-16-35N 090-24-08E	4HL	488 1600
6A	III		55-04-52N 089-38 49E	4HL	427 1400	37	III	55-00-45N 090 25 16E	4HL	437 1400
Group B						Group G				
7B	III		55-22-12N 089-36-45E	4HL	600 1970	38G	III	55 28 37N 090 35-53E	4HL	427 1400
8B*	III		55-18-47N 089 19 42E	4HL	610 2000	39G	III	55 31-45N 090-28-30E	4HL	389 1310
9B	III		55-12-44N 089 21 55E	4HL	500 1640	40G	III	55-15-01N 090 43 35E	4HL	437 1400
10B	III		55 20 12N 089 08 17E	4HL	500 1640	41G	III	55-18-08N 090-24-30E	4HL	411 1350
11B	III		55 16 13N 089 11 19E	4HL	515 1700	42G	III	55-21-15N 090-33 25E	4HL	389 1300
12B	III		55-04-05N 089-15-02E	4HL	427 1400	43G*	III	55 01 28N 090 44-09E	4HL	488 1600
Group C						Group H				
12C*	III	315	55-08-21N 089-38-14E	4HL	500 1640	44H	III	55-28-35N 089-28-16E	4HL	533 1750
13C*	III	315	55-11 18N 089 42 19E	4HL	503 1650	45H	III	55 29-41N 089-28-30E	4HL	389 1300
14C*	III	315	55-04-05N 089-40 30E	4HL	427 1400	46H*	III	55 34 08N 089-20-13E	4HL	305 1050
15C*	III	315	55-01-18N 089-34-28E	4HL	500 1640	47H	III	55-34-09N 089-20 30E	4HL	437 1400
16C*	III	315	55 02-07N 089-43 39E	4HL	442 1450	48H	III	55-37-52N 089-25 40E	4HL	533 1800
17C*	III	315	55 02-07N 089-43 39E	4HL	442 1450	49H	III	55-39 02N 089 24-21E	4HL	488 1600
18C*	III	315	54 56 55N 089 40-52E	4HL	500 1640					
Group D						Group I				
20D	III		55-00-09N 089-16-19E	4HL	610 2000	50I	III	55 34 45N 089-26-03E	4HL	389 1310
21D*	III		55-03-17N 089-24 09E	4HL	515 1700	51I	III	55 28-28N 089-43-44E	4HL	389 1310
22D	III		54 58 22N 089-27 12E	4HL	610 2000	52I	III	55-29-45N 089-48 04E	4HL	305 1050
23D	III		54-55-26N 089-15-14E	4HL	640 2100	53I	III	55-27-28N 089-48-49E	4HL	305 1050
24D	III		55 07 40N 089-18-23E	4HL	488 1600	54I	III	55-29-48N 089 37-14E	4HL	531 1750
25D	III		55 09 09N 089 40-54E	4HL	610 2000	55I	III	55-38-52N 089 40-47E	4HL	531 1750
Group E						Training site 19X	III			
26E	III		55 19 10N 089 37-21E	4HL	515 1700			55 16-18N 089 44 43E	4HL	500 1640
27E*	III		55 14 58N 089-35-01E	4HL	586 1300					
28E	III		55 10 02N 089 34-14E	4HL	451 1500					
29E	III		55-00-47N 090 05 33E	4HL	515 1700					
30E	III		55 16-05N 090-04-31E	4HL	500 1640					
31E	III		55 11 10N 090 08-13E	4HL	427 1400					

\*Crashed site.

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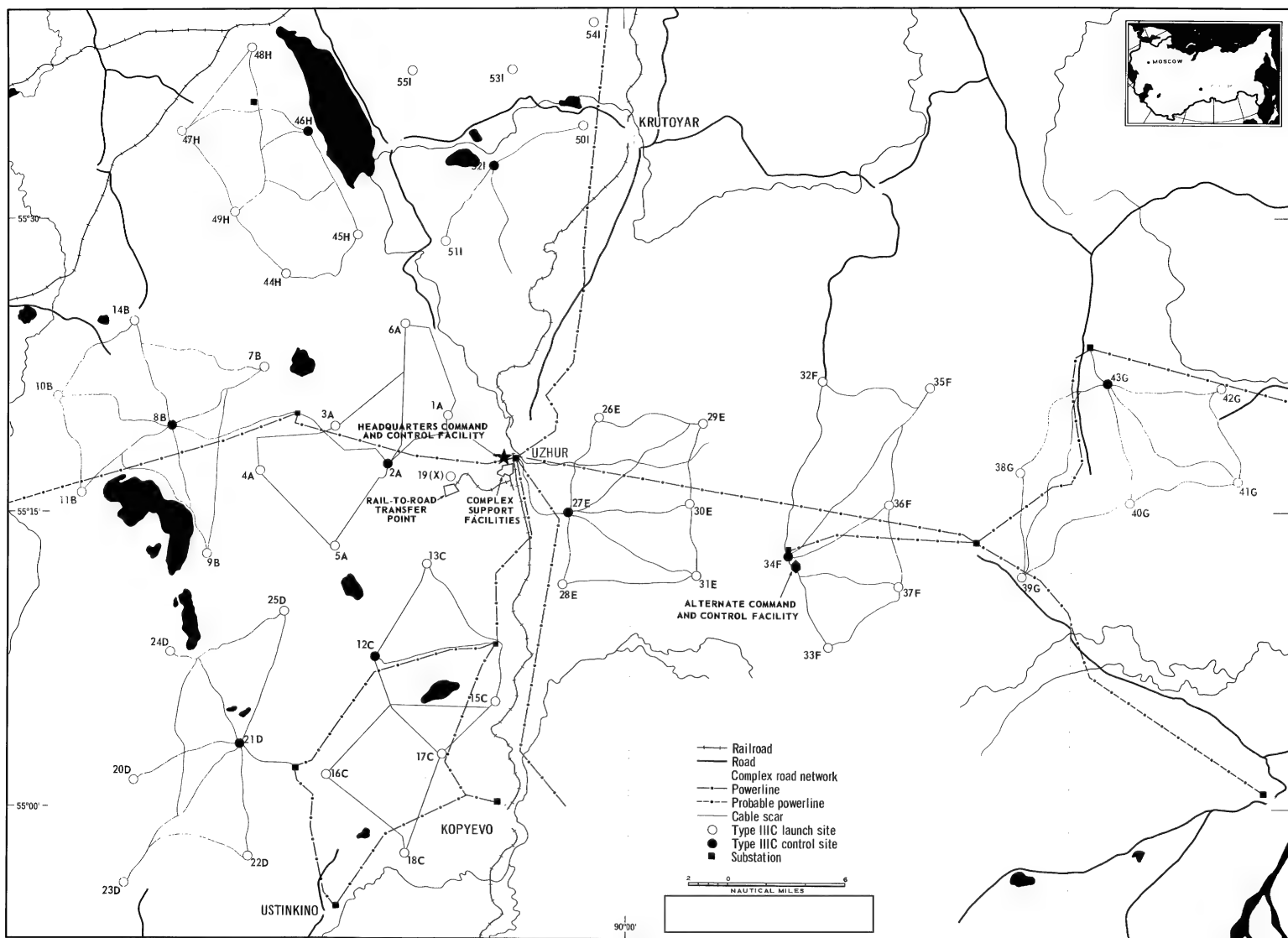


FIGURE 7. UZHUR ICBM COMPLEX, USSR

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Table 6. Data on Facilities at the Zhangji-Tube ICBM Complex

Facilities	Completion or Future Status	Geographic Coords Lat & Long	200 Chart
Zhangji-Tube ICBM Complex (its Com & control fac & receiving fac)	-	40-13-00N 081-09-00E	17HL
Alternate command & control fac (23 mi N of HCC)	-	40-12-22N 081-11-16E	17HL
Transmitting Facility (30 mi SW of HCC)	Later	40-36-21N 081-08-00E	17HL
Complex Support fac	---	40-50-01N 080-47-01E	17HL
Ball to road transfer point	---	40-12-17N 081-10-23E	17HL
	---	40-11-55N 081-08-11K	17HL

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Launch Group & Site	Type	Alt- muth	Geographic Coords Lat & Long	200 Chart	Approx Elevation (meters) (feet)	Launch Group & Site	Type	Alt- muth	Geographic Coords Lat & Long	200 Chart	Approx Elevation (meters) (feet)
Group A						Group C					
1A*	IIC		40-11-42N 080-59-47E	17HL	518 1,700	27E	IIC	315	48-58-08N 080-50-30E	17HL	315 2,200
2A	IIC		40-16-28N 080-55-48E	17HL	458 1,490	28E	IIC	315	48-54-43N 080-45-39E	16HL	315 2,200
3A	IIC		40-12-30N 080-53-50E	17HL	458 1,490	29E	IIC	315	49-00-16N 080-41-44E	16HL	702 2,300
4A	IIC		40-10-32N 081-05-04E	17HL	518 1,700	30E*	IIC	315	49-02-58N 080-50-36E	17HL	610 2,000
5A	IIC		40-06-47N 081-02-00E	17HL	518 1,700	31E	IIC	315	49-04-30N 080-39-40E	16HL	610 2,000
6A	IIC		40-03-22N 080-57-51E	17HL	518 1,700	32E	IIC	315	49-06-55N 080-44-51E	16HL	610 2,000
Group B						Group F					
7B	IIC		40-18-38N 080-50-40E	17HL	457 1,500	33E*	IIC	315	49-36-15N 081-08-10E	17HL	366 1,200
8B	IIC		40-20-38N 080-57-27E	17HL	457 1,500	34E	IIC	315	49-40-37N 081-12-52E	12HL	396 1,300
10B*	IIC		40-25-12N 080-44-58E	17HL	458 1,490	35E	IIC	315	49-47-09N 081-13-27E	12HL	396 1,300
11B	IIC		40-21-37N 080-55-29E	17HL	457 1,500	36E	IIC	315	49-43-06N 081-03-53E	12HL	396 1,300
12B	IIC		40-17-44N 081-05-32E	17HL	458 1,490	37E	IIC	315	49-37-12N 081-02-17E	12HL	457 1,500
			40-22-27N 081-06-20E	17HL	396 1,300	38E	IIC	315	49-33-43N 081-16-30E	17HL	396 1,300
Group D						Group G					
13C	IIC		40-09-40N 081-14-00E	17HL	458 1,490	39C	IIC	Uncat	49-34-37N 081-35-53E	17HL	488 1,600
14C*	IIC		40-10-08N 081-21-20E	17HL	458 1,490	40C*	IIC	Uncat	49-28-08N 081-39-29E	17HL	488 1,600
15C	IIC		40-08-35N 081-28-33E	17HL	458 1,490	41C	IIC	Uncat	49-28-53N 081-41-59E	17HL	488 1,600
16C	IIC		40-03-15N 081-25-06E	17HL	458 1,490	42C	IIC	Uncat	49-26-53N 081-27-02E	17HL	488 1,600
17C	IIC		40-01-20N 081-29-19E	17HL	440 1,400	43C	IIC	Uncat	49-25-52N 081-35-25E	17HL	488 1,600
18C	IIC		40-05-27N 081-13-55E	17HL	810 2,600	44C	IIC	Uncat	49-31-32N 081-43-14E	17HL	488 1,600
Group E						Group H					
19D	IIC	315	49-01-38N 081-04-05E	17HL	810 2,600	45H	IIC	Uncat	49-14-30N 081-41-58E	17HL	488 1,600
20D	IIC	315	49-05-20N 081-12-22E	17HL	810 2,600	46H	IIC	Uncat	49-08-33N 081-41-50E	17HL	488 1,600
21D*	IIC	315	48-57-21N 081-05-52E	17HL	810 2,600	47H	IIC	Uncat	49-09-48N 081-49-27E	17HL	488 1,600
22D	IIC	315	48-53-42N 081-06-02E	17HL	810 2,600	48H	IIC	Uncat	49-11-27N 080-59-44E	17HL	488 1,600
24D	IIC	315	48-55-44N 080-05-36E	17HL	702 2,300	49H	IIC	Uncat	49-16-27N 081-53-12E	17HL	488 1,600
26D	IIC	315	48-48-41N 081-02-08E	17HL	732 2,400	Transmitting site 22X		IIC			
									48-12-06N 081-07-44E	17HL	658 1,600

\*Control s.s.

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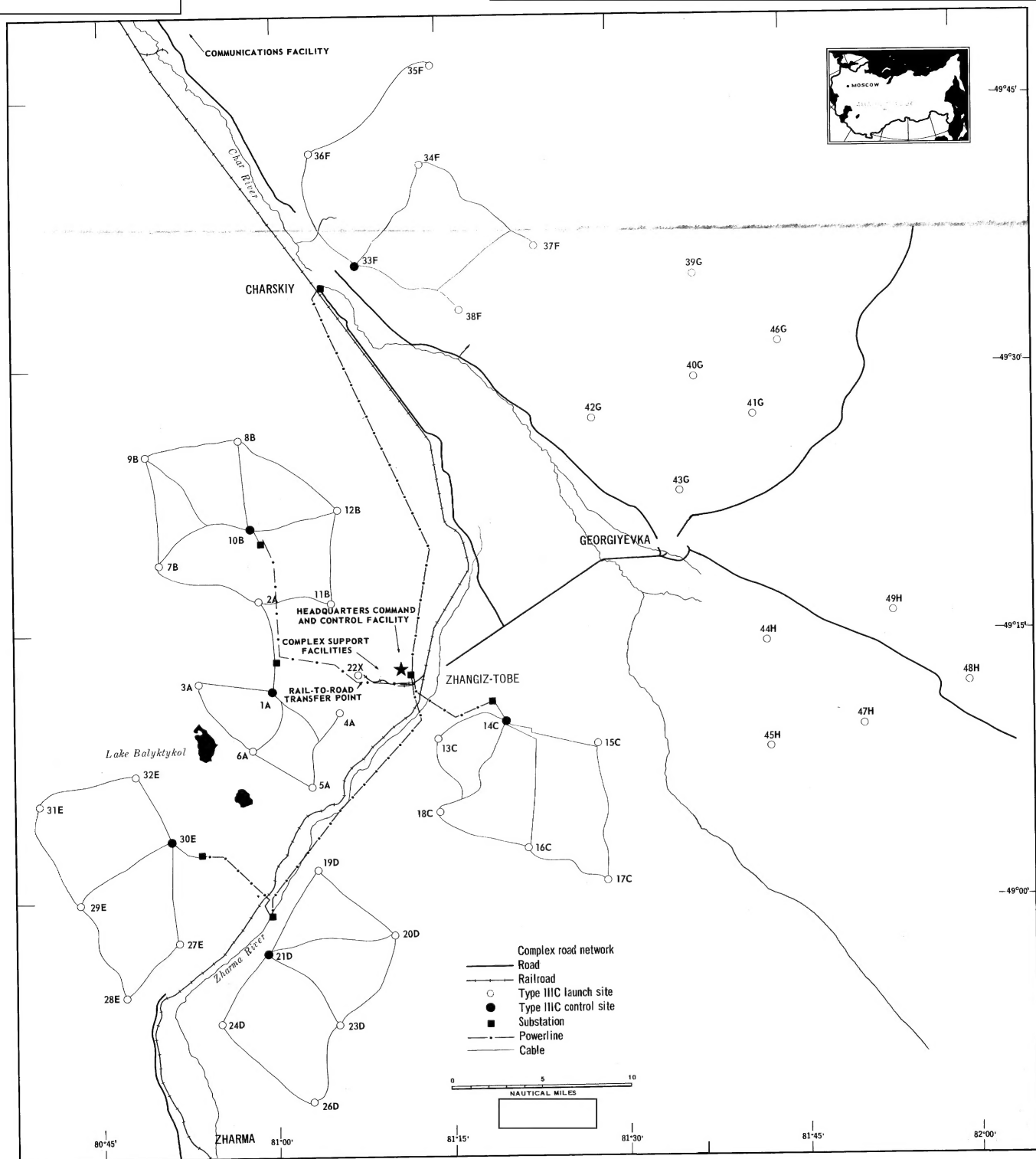


FIGURE 8. ZHANGIZ-TOBE ICBM COMPLEX, USSR

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### Imeni Gastello ICBM Complex

The Imeni Gastello ICBM Complex (Figure 5 and Table 3), in the south-central part of the steppe region of western Siberia, approximately 300 nm southeast of Magnitogorsk, has a total of 48 launch sites. These sites are in eight launch groups, designated A through H. Since the latest report<sup>5</sup> two of these launch groups have been identified -- the G group [ ]

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[ ] and the H group [ ]

The E group was completed [ ] bringing the number of completed groups to five. The F group when observed [ ] was in a very late stage of construction.

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The alternate command and control facility is adjacent to launch site 34F and is in the midstage of construction.

### Kartaly ICBM Complex

The Kartaly ICBM Complex<sup>6</sup> (Figure 6 and Table 4), in the west-central part of the steppe region approximately 60 nm east-southeast of Magnitogorsk, has a total of 36 launch sites in six groups, designated A through F. No new groups have been identified at this complex [ ]. The reason for the lack of a new group start, plus the slower than usual construction pace for the latest two groups at this complex, is not known.

Five of the six groups are complete, with the E group being completed [ ]. Previously five sites were identified in the F group [ ] two more sites were identified in the F group and one (43F) of the previously identified sites was abandoned. The F group now has the full complement of six sites, which are in the midstage of construction.

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A miniature type IIIC site, approximately one-fifth the size of a normal site, was identified adjacent to the training site, 27X [ ]

The alternate command and control facility is adjacent to launch site 32E and is in the midstage of construction.

### Uzhur ICBM Complex

The Uzhur ICBM Complex (Figure 7 and Table 5), in the southeastern mountain region of western Siberia, is the easternmost of the six SS-9 complexes. The complex has a total of 54 launch sites in nine launch groups, designated A through I. Since the latest report,<sup>7</sup> the I group was identified [ ]

The H group was completed [ ] bringing the number of completed groups to eight.

The alternate command and control facility, adjacent to launch site 34F, was complete [ ]

### Zhangiz-Tobe ICBM Complex

The Zhangiz-Tobe ICBM Complex (Figure 8 and Table 6) is approximately 80 nm southeast of Semipalatinsk in the high steppe region of northeastern Soviet central Asia. Presently 47 launch sites are identified in eight launch groups, with only five sites thus far identified in the H group. These launch groups are designated A through H. Since the latest report<sup>8</sup> two groups, G and H, have been identified [ ]. The E group was completed [ ] bringing the number of completed launch groups to five. The F group was in a late stage of construction when last observed [ ]

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The alternate command and control facility is adjacent to launch site 33F and is in a late stage of construction.

## REFERENCES

## IMAGERY

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## DOCUMENTS

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- |          |   |  |
|----------|---|--|
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| 2. NPIC. | <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> | <i>Summary of HF Communications Facilities Associated with the Soviet Rocket Forces ICBM Command and Control Structure, Aug 69</i> (TOP SECRET <div style="border: 1px solid black; width: 150px; height: 20px; display: inline-block;"></div> ) |
| 3. NPIC. | <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> | <i>Aleysk ICBM Complex, USSR, Apr 69</i> (TOP SECRET)  |
| 4. NPIC. | <div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> | <i>Dombrovskiy ICBM Complex, USSR, May 69</i> (TOP SECRET)   |
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